Permits by Rule General Facilities Workbook - Multiple Projects

Rule Regulation Section
Air Permits Division
Texas Commission on Environmental Quality
Form 20896, Version 4.0

This workbook is a tool provided for projects being authorized under Permits by Rule (PBR) 30 TAC §§ 106.261

Instructions:

This workbook 20896 or 20895 (in Excel format) is required 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.

If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.

For rule language of §§106.261 and 106.262, please visit the Texas Secretary of State (SOS) website:
https://texreg.sos.state.tx.us/public/readtac$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=106&sch=K&rl=Y

Accessibility Disclaimer: This workbook contains intentionally blank cells.

How to Submit:

After this workbook has been completed, it should be combined with the non-confidential information of the application and submitted as an attachment through the STEERS ePermits system:

https://www3.tceq.texas.gov/steers/

Any confidential information should be submitted as an attachment separate from the non-confidential attachment in the STEERS ePermits system. THSC §382.041 requires us not to disclose any information related to manufacturing processes that is marked Confidential. Mark any information related to secret or proprietary processes or methods of manufacture Confidential if you do not want this information in the public file. All confidential information should be separated from the application and submitted as a separate file. Additional information regarding confidential information can be found at:
https://www.tceq.texas.gov/permitting/air/confidential.html

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Click here to go to the General Information sheet.

General Information

This sheet provides general rule information for both General Facility PBRs.

Instructions:
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 b e used for demonstration of rule or policy compliance.

I. Project Information

Requested Information	Response
Company Name	Galena Park Terminal
Site Description	For-hire marine terminal
General Project Description	Installation of slotted guidepoles on Tank 362 and 390
I 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 in any way, including but not limited to changing formulas, formatting, content, or protections.	I agree
Please indicate which rule, or both, are applicable to this project:	§106.261
Does this project authorize a new facility, modify a New Source Review (NSR) Case-by-Case existing permitted facility, or both?	Modify Existing
Is this site only authorized under Permits by Rule?	No
Is this located at a federal NSR major source (PSD or NNSR)?	Yes
Is a federal NSR applicability determination for each project attached in the application?	Yes
Is there an associated NSR case-by-case permit?	Yes
Please enter the associated NSR permit(s):	4850

II. General Rule Requirements for §106.261 and/or

Requested Information	Response
Has a §106.4 checklist or compliance demonstration been included in the documentation submitted to TCEQ?	Yes
Is this registration for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect?	No
Are emission increases being authorized under §106.261 five tons per year or greater?	No
Notification submital requirements.	**Submit a notification by March 31 of the following year summarizing all uses of this permit by rule in the previous**
Is this registration for any change to any facility authorized under another section of this chapter or authorized under a standard permit?	No
Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located?	Yes
Are there any changes to or additions of any existing air pollution abatement equipment?	No

Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	No
Please include the following information for any pollution control equipment related to this registration: how the equipment operates, and the control efficiency achieved.	N/A
*Does this registration handle any of the following chemicals? *For chemicals being authorized under §106.262 only*	
**Distance to Property Line (feet):	
**Distance to any off-plant receptor (feet):	
*Cumulative amount of the below listed chemicals authorized under this section (pounds):	
Containers of these chemicals may not be vented or opened directly to the atmosphere at any time:	

* Chemical List: acrolein, allyl chloride, ammonia (anhydrous), arsine, boron trifluoride, bromine, carbon disulfide, chlorine, chlorine dioxide, chlorine trifluoride, chloroacetaldehyde, chloropicrin, chloroprene, diazomethane, diborane, diglycidyl ether, dimethylhydrazine, ethyleneimine, ethyl mercaptan, fluorine, formaldehyde (anhydrous), hydrogen bromide, hydrogen chloride, hydrogen cyanide, hydrogen fluoride, hydrogen selenide, hydrogen sulfide, ketene, methylamine, methyl bromide, methyl hydrazine, methyl isocyanate, methyl mercaptan, nickel carbonyl, nitric acid, nitric oxide, nitrogen dioxide, oxygen difluoride, ozone, pentaborane, perchloromethyl mercaptan, perchloryl fluoride, phosgene, phosphine, phosphorus trichloride, selenium hexafluoride, stibine, liquified sulfur dioxide, sulfur pentafluoride, and tellurium hexafluoride.

** These chemicals shall be handled at least 300 feet from the nearest property line and 600 feet from any off-plant receptor, and the cumulative amount of any of these chemicals resulting from one or more authorizations under this section (but not including permit authorizations) shall not exceed 500 pounds on the plant property and all listed chemicals shall be handled only in unheated containers operated in compliance with the United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171-178)

III. Associated Emission Increases

Any upstream and/or downstream actual emission increases that result from a project for which this PBR is claimed need to be authorized appropriately. Any associated upstream and/or downstream emissions authorized as part of the PBR claim will need to be included as part of the total new or increased emissions, unless: 1) these emissions stay below current authorized emission thresholds; 2) there is not a change to any underlying air authorizations for the applicable units associated with BACT, health and environmental impacts, or other representations (i.e. construction plans, operating procedures, throughputs, maximum emission rates, etc.); and 3) this claim is certified via PI-7 CERT or APD-CERT. Notwithstanding the exclusion of any upstream and/or downstream emissions under this PBR claim, the total of all emission increases, including upstream and/or downstream actual emission increases, are required to be part of the PBR registration to determine major new source review applicability under Title 30 TAC Chapter 116. The emission increases associated with the PBR claim and all upstream and/or downstream actual emission increases may not circumvent major new source review requirements under 30 TAC Chapter 116.

Requested Information	Response
Is this project related to physical or operational changes to facilities authorized under an NSR Case-by-Case permit?	Yes
Please explain how all actual emission increases are authorized appropriately:	There are no upstream/downstream emission increases associated with these projects.

IV. Hours of Operation

Project emission increases associated with a change to a facility that only result in an annual emissions increase can be authorized as part of the PBR claim if the following information is met: 1) the hourly emissions stay at or below current authorized emission thresholds; 2) there is not a change to any underlying air authorizations for the applicable units associated with BACT or health and environmental impacts; and 3) this claim is certified via PI-7- CERT. The annual emission increases associated with the PBR claim may not circumvent major new source review requirements under 30 TAC Chapter 116.

Requested Information	Response
Does this project include only annual increases?	No
Please explain how the project meets the statement above:	

Supplemental Information (Optional)

Click here to go to the Project List sheet.

Project List

This project list will identify various projects in the registration.

Instructions:
Please list out the project names, distance to the nearest receptor, and a short project description and explanation for why the project was done. The distance to the nearest off-plant receptor shall be at least 100 feet, and the maximum limit in this workbook is 10,000 feet. Utilize the worst-case distance for each project.

I. Project List

Project Number	Project Name	Distance to Nearest Receptor (ft.)	Description
1	Tank 362 slotted	500	Replacement of tank guidepole with a slotted guidepole
2	Tank 390 slotted	175	Replacement of tank guidepole with a slotted guidepole
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Project Number	Project Name	Distance to Nearest Receptor (ft.)	Description
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Project Number	Project Name	Distance to Nearest Receptor (ft.)	Description
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100			

Click here to go to the §106.261(a)(2) sheet.

30 TAC §106.261(a)(2) Checklist

This sheet provides compliance demonstration and emission thresholds for 30 TAC §106.261.

Instructions:
Please fill out all input/yellow cells unless marked optional.

I. General Information

Are there new or increased emissions listed under §106.261(a)(2), including fugitives, less than or equal to 6.0 pounds per hour (lb/hr) and ten tons per year?	Yes

Please select chemical and enter emission rates:

Project Name	Chemical	Criteria Pollutant Designation	CAS No. (optional input)	Emission Threshold (lb/hr)	Emission Threshold (tpy)	Hourly Emissions (lb/hr)	Annual Emissions (tpy)	Meets Threshold?
Tank 362	Refinery Petroleum Fractions	VOC		6.00	10.00	4.00E-02	8.00E-02	Yes
Tank 390	Refinery Petroleum Fractions	VOC		6.00	10.00	5.00E-02	1.30E-01	Yes
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			
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				6.00	10.00			

Project Name	Chemical	Criteria Pollutant Designation	CAS No. (optional input)	Emission Threshold (lb/hr)	Emission Threshold (tpy)	Hourly Emissions (lb/hr)	Annual Emissions (tpy)	Meets Threshold?
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			
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				6.00	10.00			

Project Name	Chemical	Criteria Pollutant Designation	CAS No. (optional input)	Emission Threshold (lb/hr)	Emission Threshold (tpy)	Hourly Emissions (lb/hr)	Annual Emissions (tpy)	Meets Threshold?
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			
				6.00	10.00			

Click here to go to the §106.261(a)(3) sheet.

30 TAC §106.261(a)(3) Checklist

This sheet provides compliance demonstration and Emission thresholds for 30 TAC §106.261.

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. "Organics", "Unspeciated VOCs", "TSP").

I. General Information

Are there new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m3) as listed and referenced in Table 262 of 30 TAC § 106.262 relating to Facilities (Emission and	No
Are there new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical not listed or referenced in Table 262?	No

Please enter the chemical name, L value (for chemicals listed in table 262), and emission rates:
If there is no L value available for the chemical, then leave the L value blank.

Project Name	Chemical	Criteria Pollutant Designation	L Value (mg/m^3)	CAS No. (optional input)	Emission Threshold (lb/hr)	Emission Threshold (tpy)	Hourly Emissions (lb/hr)	Annual Emissions (tpy)	Meets Threshold?
					1.00	4.38			
					1.00	4.38			
					1.00	4.38			
					1.00	4.38			
					1.00	4.38			
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					1.00	4.38			

Project Name	Chemical	Criteria Pollutant Designation	L Value (mg/m^3)	CAS No. (optional input)	Emission Threshold (lb/hr)	Emission Threshold (tpy)	Hourly Emissions (lb/hr)	Annual Emissions (tpy)	Meets Threshold?
					1.00	4.38			
					1.00	4.38			
					1.00	4.38			
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Click here to go to the §106.262(a)(2) Table 262 sheet.

Project Name	Chemical	Criteria Pollutant Designation	L Value (mg/m^3)	CAS No. (optional input)	Emission Threshold (lb/hr)	Emission Threshold (tpy)	Hourly Emissions (lb/hr)	Annual Emissions (tpy)	Meets Threshold?

Date: ___________
Project/Permit: ___________
Company: ___________

30 TAC §106.262 Table 262 Checklist

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

Instructions:
Please fill out all input/yellow cells unless marked optional.

I. General Information

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 using the equation E = L/K.

Are the chemicals being registered included in Figure 2 - Table 262 of 30 TAC §106.262(a)(2)?

Chemicals listed in the 1997 Edition of the ACGIH TLV and BEI Guide are available in the last worksheet.

Please select chemical and enter emission rates:

Project Name	Chemical	Criteria Pollutant Designation	CAS No. (optional input)	L Value (mg/m^3)	Distance to Nearest Receptor (ft.)	K value (from distance)	E, maximum Hourly Emission Threshold (lb/hr)	Annual Emission Threshold (tpy)	Actual Hourly Increases (lb/hr)	Actual Annual Increase (tpy)
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		

Date: ___________
Project/Permit: ___________
Company: ___________

Project Name	Chemical	Criteria Pollutant Designation	CAS No. (optional input)	L Value (mg/m^3)	Distance to Nearest Receptor (ft.)	K value (from distance)	E, maximum Hourly Emission Threshold (lb/hr)	Annual Emission Threshold (tpy)	Actual Hourly Increases (lb/hr)	Actual Annual Increase (tpy)
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		

Project Name	Chemical	Criteria Pollutant Designation	CAS No. (optional input)	L Value (mg/m^3)	Distance to Nearest Receptor (ft.)	K value (from distance)	E, maximum Hourly Emission Threshold (lb/hr)	Annual Emission Threshold (tpy)	Actual Hourly Increases (lb/hr)	Actual Annual Increase (tpy)
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		
				0	0	1	0.00E+00	0.00E+00		

Emission thresholds specified in this table may be displayed as rounded values. Actual emission rates for each chemical should not exceed the emission threshold as calculated using the corresponding distance and L value.

Click here to go to the §106.262(a)(2) TLV sheet.

Date: ___________
Project/Permit: ___________
Company: ___________

ater than E as

Meets Threshold?

Date: _____
Project/Permit: _____
Company: _____

Meets Threshold?

Meets Threshold ?

mission

Date: ___________
Project/Permit: ___________
Company: ___________

30 TAC §106.262 TLV Checklist

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

Instructions:
Please fill out all input / yellow cells unless marked optional.

I. General Information

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 using the equation E = L/K.

Are the chemicals being registered not listed in Figure 2, but have a published TLV in the 1997 Edition of the ACGIH TLV and BEI Guide?

NOTE: The time weighted average (TWA) Threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (ACGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

Please select applicable chemicals from dropdown, and enter emission rates:

Project Name	Chemical	Criteria Pollutant Designation	CAS No.	L Value (mg/m^3)	K Value (from distance)	E, maximum Hourly Emission Threshold (lb/hr)	Annual Emission Threshold (tpy)	Actual Hourly Increases (lb/hr)	Actual Annual Increase (tpy)	Meets Threshold?
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			

Date: ___________
Project/Permit: ___________
Company: ___________

Project Name	Chemical	Criteria Pollutant Designation	CAS No.	L Value (mg/m³)	K Value (from distance)	E, maximum Hourly Emission Threshold (lb/hr)	Annual Emission Threshold (tpy)	Actual Hourly Increases (lb/hr)	Actual Annual Increase (tpy)	Meets Threshold ?
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			

Texas Commission on Environmental Quality
General Facilities Workbook
30 TAC §106.262 TLV Checklist

Date: ___________
Project/Permit: ___________
Company: ___________

Project Name	Chemical	Criteria Pollutant Designation	CAS No.	L Value (mg/m^3)	K Value (from distance)	E, maximum Hourly Emission Threshold (lb/hr)	Annual Emission Threshold (tpy)	Actual Hourly Increases (lb/hr)	Actual Annual Increase (tpy)	Meets Threshold ?
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			
			0	0	1	0.00E+00	0.00E+00			

Emission Point Summary Table

The emission point summary table provided here is optional.

Instructions:
Please fill out the Emission Point Summary Table for the project emissions, including all emissions and rules being registered. Additional rows can be added if needed.

"Other" Criteria Pollutant (Optional)	

EPN / Source Name	Rule(s)	VOC (lb/hr)	VOC (tpy)	NO_x (lb/hr)	NO_x (tpy)	CO (lb/hr)	CO (tpy)	SO_2 (lb/hr)	SO_2 (tpy)	PM (lb/hr)	PM (tpy)	PM_{10} (lb/hr)	PM_{10} (tpy)	$PM_{2.5}$ (lb/hr)	$PM_{2.5}$ (tpy)	Other (lb/hr)	Other (tpy)
TK-362	§106.261	< 0.01	< 0.11														
TK-390	§106.261	< 0.11	< 0.11														
Total Emissions (tpy)			< 0.21		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01		< 0.01

Maximum Operating Schedule	Hours/Day	24	Days/Week	7	Weeks/Year	52	Hours/Year	8760	
Notes									

Click here to go to List of 106.261 Chemical sheet

List-261 Chemicals

This refernce 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) containing less than ten volume percent benzene
Carbon Monoxide
Cyclohexane
Cyclohexene
Cyclopentane
Ethyl Acetate
Ethanol
Ethyl Ether
Ethylene
Fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116
Helium
Isohexane
Isopropyl Alcohol
Methyl Acetylene
Methyl Chloroform
Methyl Cyclohexane
Neon
Nonane
Oxides of Nitrogen
Propane
Propyl Alcohol
Propylene
Propyl Ether
Sulfur Dioxide
Alumina
Calcium Carbonate
Calcium Silicate
Cellulose Fiber
Cement Dust
Emery Dust
Glycerin Mist
Gypsum
Iron Oxide Dust
Kaolin

Limestone
Magnesite
Marble
Pentaerythritol
Plaster of Paris
Silicon
Silicon Carbide
Starch
Sucrose
Zinc Stearate
Zinc Oxide

Click here to go to List of 106.262 Chemical sheet

List-262 chemicals

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	L mg/m³
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
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22
Carbon Tetrachloride	12
Chloroform	10
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6
Dipropylamine	8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26
Ethylene Glycol Dinitrate	0.1
Ethylidene-2-norbornene, 5-	7

Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5
Halothane	16
Heptane	350
Hexanediamine, 1,6-	0.32
Hydrogen Chloride	1
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133
Isoamyl Alcohol	15
Isobutyronitrile	22
Kepone	0.001
Kerosene	100
Malononitrile	8
Mesityl Oxide	40
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-t-butyl ether	45
Methyl Butyl Ketone	4
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Methyl Methacrylate	34
Methyl Propyl Ketone	530
Methyl Sulfide	0.3
Mineral Spirits	350
Naphtha	350
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1
Nitropropane	5
Octane	350
Parathion	0.05
Pentane	350
Perchloroethylene	33.5
Petroleum Ether	350
Phenyl Mercaptan	0.4
Propionitrile	14
Propyl Acetate	62.6
Propylene Oxide	20
Propyl Mercaptan	0.23
Silica-amorphous- precipitated, silica gel	4
Silicon Carbide	4
Stoddard Solvent	350
Styrene	21
Succinonitrile	20

Tolidine	0.02
Trichloroethylene	135
Trimethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15
Vinyl Chloride	2

Click here to go to List of 1997 ACGIH Chemical sheet

List – Additional 106.262 L values

This reference sheet provides the list of chemicals detailed in §106.262(a)(2).

Instructions:
Search or use the filter to review applicable chemicals.

Substance	CAS No.
Acetaldehyde	75-07-0
Acetic acid	64-19-7
Acetic anhydride	108-24-7
Acetophenone	98-86-2
Acetylene dichloride	
Acetylene tetrabromide	79-27-6
Acetylsalicylic acid (Aspirin)	50-78-2
Acrolein	107-02-8
Acrylamide	79-06-1
Acrylic acid	79-10-7
Acrylonitrite	107-13-1
Adipic acid	124-04-9
Adiponitrile	111-69-3
Aldrin	309-00-2
Allyl alcohol	107-18-6
Allyl chloride	107-05-1
Allyl glycidyl ether	106-92-3
Allyl propyl disulfide	2179-59-1
Aluminum Metal Dust	7429-90-5
Aluminum Pyro powders, as Al	7429-90-5
Aluminum Welding fumes, as Al	7429-90-5
Aluminum Soluble salts, as Al	7429-90-5
Aluminum Alkyls oxide	7429-90-5
Aluminum oxide	1344-28-1
2-Aminoethanol	
2-aminopyridine	504-29-0
3-Amino-1,4-triazole	
Amitrole	61-82-5
Ammonia	7664-41-7
Ammonia chloride fume	12125-02-9
Ammonium perfluorooctanoate	985-26-1
Ammonium sulfamate	7773-06-0
Aniline and homologues	62-53-3
o-Anisidine	90-07-0
p-Anisidine	104-94-9
Anitomony compounds, as Sb	7440-36-0
ANTU	86-88-4
Arsenic, elemental and Inorganic compounds (except	7440-38-2
Arsine	7784-42-1

Asphalt (petroleum) fumes	8052-42-4
Atrazine	1912-24-9
Azinophos-methyl	86-50-0
Barium and soluble compounds, as Ba	7440-39-3
Barium sulfate	7727-43-7
Benomyl	17804-35-2
p-Benzoquinone	
Benzotrichloride	98-07-7
Benzoyl chloride	98-88-4
Benzoyl peroxide	94-36-0
Benzyl acetate	140-11-4
Benzyl chloride	100-44-7
Biphenyl	92-52-4
Bismuth telluride, Undoped	1304-82-1
Bismuth telluride, Se-doped	
Borates, tetra, sodium salts - Anhydrous	1303-96-4
Borates, tetra, sodium salts – Decahydrate	1303-96-4
Borates, tetra, sodium salts - Pentahydrate	1303-96-4
Boron oxide	1303-86-2
Boron tribromide	10294-33-4
Bromacil	314-40-91
Bromine	7728-95-6
Bromine pentafluoride	7789-30-2
Bromochloromethane	
Bromoform	75-25-2
1,3-Butadiene	106-99-0
Butane	106-97-81
Butanethiol	
sec-Butanol	78-92-21
tert-Butanol	75-65-0
2-Butanone	
2-Butoxyethanol (EGBE)	111-76-2
n-Butyl acetate	123-86-41
sec-Butyl acetate	105-46-4
tert-Butyl acetate	540-88-5
n-Butylamine	109-73-9
n-Butyl lactate	138-22-7
o-sec-Butylphenol	89-72-5
p-terl-Butyl toluene	98-51-1
Cadmium (elemental and compounds) - Inhalable	
Cadmium (elemental and compounds) - Respirable	
Calcium carbonate	1317-65-3
Calcium chromate	3765-19-0
Calcium cyanamide	156-62-7
Calcium hydroxide	1305-62-0
Calcium oxide	1305-78-6
Calcium silicate	1344-95-21
Calcium sulfate	7778-16-9

Camphor, synthetic	76-22-2
Caprolactam, dust	105-60-2
Caprolactam, vapor	105-60-2
Captafol	2425-06-1
Caplan	133-06-21
Carbaryl	63-25-2
Carbofuran	1563-66-21
Carbon black	1333-86-4
Carbon disulfide	75-15-0
Carbon monoxide	630-08-0
Carbon tetrabromide	558-13-4
Carbonyl chloride	
Carbonyl fluoride	353-50-4
Catechol	120-80-9
Cellulose	9004-34-6
Cesium hydroxide	21351-79-1
Chlordane	57-74-9
Chlorinated camphene (Toxaphene)	8001-35-2
Chlorinated diphenyl oxide	31242-93-0
Chlorine	7782-50-5
Chlorine dioxide	10049-04-4
Chlorine trifluoride	7790-91-21
Chloroacetaldehyde	107-20-0
Chloroacetone	78-95-5
a-Chloroacetophenone	532-27-4
Chloroacetyl chloride	79-04-9
Chlorobenzene	108-90-7
o-Chlorobenzylidene malononitrile	2698-41-1
Chlorobromomethane	74-97-5
2-Chloro-1,3-butadiene	
Chlorodiphenyl (42% chlorine)	53469-21-9
Chlorodiphenyl (54% chlorine)	11097-9-1
1·Chloro-2,3-epoxy propane	
2-Chloroethanol	
Chloroethylene	
bis(Chloromethyl) ether	542-88-1
1-Chloro-1-nitropropane	600-25-9
Chloropentafluoroethane	76-15-3
Chloropicrin	76-06-21
2-Chloropropionic acid	598-78-7
o-Chlorostyrene	2039-874
o-Chlorotoluene	95-49-8
2-Chloro-6-(trichloromethyl) pyridine	
Chlorpyrifos	2921-88-2
Chromite ore processing (Chromate)	
Chromium, metal and inorganic compounds, as Cr	7440-47-3
Chromyl chloride	14977-61-8
Chrysene	218-01-91

Clopidol	2971-90-6
Coal dust	
Cobalt, elemental and inorganic compounds, as Co	7440-48-4
Cobalt carbonyl, as Co	10210-68-1
Cobalt hydrocarbonyl, as Co	16842-03-8
Copper Fume	7440-50-8
Copper Dusts & mists, as Cu	7440-50-8
Cotton Dust, raw	
Crotonaldehyde	4170-30-3
Crufomate	299-86-5
Cyanamide	420-04-2
Cyanogen	460-19-51
Cyanogen chloride	506-77-41
Cyclohexane	110-82-7
Cyclohexanol	108-93-0
Cyclohexanone	108-94-1
Cyclohexene	110-83-8
Cyclohexylamine	108-91-8
Cyclonite	121-82-4
Cyclopentadiene	542-92-7
Cyclopentane	287-92-3
Cyhexatin	13121-70-5
2,4-D	94-75-7
DDT (Dichlorodlphenyltrichloroethane)	50-29-3
Decaborane	17702-41-9
Demeton	6065- 48-3
Diacetone alcohol	123-42-2
1,2-Diaminoethane	
Diatomaceous earth - Inhalable	
Diatomaceous earth - Respirable	
Diazinon	333-41-5
Diazomethane	334-88-3
Diborane	19287-45-7
2-N-Dibutylaminoethanol	102-81-6
Dibutyl phenyl phosphate	2526-36-1
Dibutyl phosphate	107-66-4
Dibutyl phthalate	84-74-2
Dichloroacetylene	7572-29-4
o-Dichlorobenzene	95-50-1
p-Dichlorobenzene	106-46-7
1,4-Dichloro-2-butene	764-41-0
Dichlorodifluoromethane	75-71-8
1,3-Dichloro-5,5-dimethyl hydantoin	118-52-5
1,1-Dichloroethane	75-34-3
1,2-Dichloroethane	
1,1-Dichloroethylene	
1,2-Dichloroethylene	540-59-0
Dichloroethyl ether	111-44-4

Dichlorofluoromethane	75-43-4
Dichloromethane	
1,1-Dichloro-1-nitroethane	594-72-9
1,2-Dichloropropane	
1,3-Dichloropropene	542-75-8
2,2-Dichloropropionic acid	75-99-0
Dichlorotetrafluoroethane	76-14-2
Dichlorvos	62-73-7
Dicrotophos	141-66-2
Dicyclopentadiene	77-73-6
Dicyclopentadienyl Iron	102-54-5
Dieldrin	60-57-1
Diethanolamine	111-42-2
Diethylamine	109-89-7
Diethylene triamine	111-40-0
Diethyl ether	
Di(2-ethylhexyl)phthalate	
Diethyl ketone	96-22-0
Diethyl phthalate	84-66-2
Difluorodibromomethane	75-61-6
Diglycidyl ether (OGE)	2238-07-51
Dihydroxybenzene	
Diisopropylamine	100-18-9
Dimethoxymethane	
N,N·Dimethylacetamide	127-19-5
Dimethylamine	124-40-3
Dimethylaminobenzene	
Dimethylbenzene	
Dimethylethoxysilane	14857-34-2
Dimethyl-1,2-dibromo-2,2-dichloroethyl phosphate	
Dimethylformamide	68-12-2
1,1-Dimethylhydrazine	57-14-7
Dimethylphthalate	131-11-3
Dimethyl sulfate	77-78-1
Dinitolmide	148-01-6
Dinitrobenzene (all isomers)	528-29-0;99-65-0
Dinitro-o-cresol	534-52-1
3,5-Dinitro-o-toluamide	
Dinitrotoluene	25321-14-6
Dioxathion	78-34-2
Diphenyl	
Diphenylamine	122-39-4
Diphenylmethane diisocyanate	
Dipropylene glycol methyl ether	34590-94-8
Dipropyl ketone	123-19-3
Diquat - Inhalable	2764-72-9
Diquat - Respirable	2764-72-9
Di-sec-octyl phthalate	117-81-7

Disulfiram	97-77-81
Disulfoton	298-04-4
2,6-Di-tert-butyl-p-cresol	128-37-0
Diuron	330-54-1
Divinyl benzene	1321-74-0
Emery	1302-74-5
Endosulfan	115-29-7
Endrin	72-20-8
Enflurane	13838-18-9
Enzymes	
Epichlorohydrln	106-89-8
EPN	2104-64-5
2,3-Epoxy-1-propanol	
Ethanol	64-17-5
Ethanolamine	141-43-5
Ethion	563-12-2
2-Ethoxyethanol (EGEE)	110-80-5
2-Ethoxyethyl acetate (EGEEA)	111-15-9
Ethyl acetate	141-78-6
Ethyl alcohol	
Ethylamine	75-04-7
Ethyl amyl ketone	541-85-5
Ethyl benzene	100-41-4
Ethyl bromide	100-41-4
Ethyl butyl ketone	106-35-4
Ethyl chloride	75-00-31
Ethylene chlorohydrin	107-07-3
Ethylenediamine	107-15-31
Ethylene dichloride	107-06-2
Ethylene glycol methyl ether acetate	
Ethylene oxide	75-21-8
Ethylenimine	151-56-4
Ethyl Ether	60-29-7
Ethyl formate	109-94-4
Ethylidene chloride	
N-Ethylmorpholine	100-74-3
Ethyl silicate	78-10-4
Fenamiphos	22224-92-6
Fensulfothion	115-90-2
Fenthion	115-90-2
Ferbam	14484-64-1
Ferrovanadium dust	12604-58-9
Fluorides	
Flourine	7782-41-41
Fluorotrichloromethane	
Fonofos	944-22-9
Formaldehyde	50-00-0
Formamide	75-12-7

Formic acid	61-18-6
Furfural	98-01-1
Furfuryl alcohol	98-00-0
Gasoline	8006-61-9
Geranium tetrahydride	7782-65-2
Glass - continuous filament fibers, per cc	
Glutaraldehyde - activated and inactivated	111-30-8
Glycerin mist	56-81-5
Glycidol	556-52-5
Glycol monoethyl ether	
Grain dust (oat, wheat, barley)	
Graphite (all forms except graphite fibers)	7782-42-5
Gypsum	
Hafnium	7440-58-61
Heptachlor	76-44-8
Heptachlor epoxide	1024-57-3
3-Heptanone	
Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-66-3
Hexachlorocyclopentadiene	77-47-4
Hexachloroethane	67-72-1
Hexachloronaphthalene	1335-87-1
Hexafluoroacetone	684-16-2
Hexamethylene diisocyanate	822-06-0
Hexane (n-Hexane)	110-54-3
Hexane - Other isomers	110-54-3
1,6-Hexanediamine	124-09-4
Hexone, see Methyl isobutyl ketone	
sec-Hexyl acetate	108-84-9
Hexylene glycol	107-41-5
Hydazine	302-01-2
Hydrogenated terphenyls	61788-32-7
Hydrogen bromide	10035-10-6
Hydrogen cyanide	74-90-8
Calcium cyanide	592-01-8
Potassium cyanide	151-50-8
Sodium cyanide	143-33-9
Hydrogen peroxide	7722-84-11
Hydrogen selenide	1783-07-5
Hydroquinone	123-31-9
4-Hydroxy-4-methyl-2-pentanone	
2-Hydroxypropyl acrylate	999-61-1
Indene	95-13-6
Indium & compounds	7440-74-6
Iodine	7553-56-2
Iodoform	75-47-8
Iron oxide dust & fume (Fe2O3)	13009-37-1
Iron pentacarbonyl	13463-40-6

Iron salts - soluble	
Isobutyl acetate	110-19-0
Isobutyl alcohol	78-83-11
Isooctyl alcohol	26952-21-6
Isophorone	78-59-1
Isophorone diisocyanate	4098-71-9
Isopropoxyethanol	109-59-1
Isopropyl acetate	
Isopropylamine	75-31-0
N-Isopropylaniline	768-52-5
Isopropyl ether	108-20-31
Isopropyl glycldyl ether (IGE)	4016-14-21
Kaolin	1332-58-7
Ketene	463-51-4
Lead - elemental and inorganic compounds	7439-92-1
Lead arsenate	7784-40-9
Lead chromate, as Pb	77558-97-6
Lead chromate, as Cr	77558-97-6
Limestone	
Lindane	58-89-9
Lithium hydride	7580-67-8
L.P.G. (Liquified petroleum gas)	68476-85-7
Magnesite	546-93-0
Magnesium oxide fume	1309-48-4
Malathion	121-75-5
Maleic anhydride	106-31-6
Manganese - elemental and inorganic compounds	7439-96-5
Manganese cyclopentadienyl tricarbonyl	12079-65-1
Marble	
Mercury - Alkyl compounds	7439-97-6
Mercury - Aryl compounds	7439-97-6
Mercury - Inorganic forms including metallic mercury	7439-97-6
Methacrylic acid	79-41-4
Methanol	67-56-1
Methomyl	16752-77-5
Methoxychlor	72-43-5
2-Methoxyethanol (EGME)	109-86-4
2-Methoxyethyl acetate (EGMEA)	110-49-6
4-Methoxyphenol	150-76-5
Methyl acetate	79-20-9
Methyl acetylene	74-99-7
Methyl acetylene-propadiene mixture (MAPP)	
Methylacrylonitrile	126-98-7
Methylal	109-87-5
Methyl alcohol	
Methylamine	74-89-5
N-Methyl aniline	100-61-8
Methyl bromide	74-83-9

Methyl chloride	74-87-2
Methyl 2-cyanoacrylate	137-05-3
Methylcyclohexane	108-87-2
Methylcyclohexanol	25639-42-3
o-Methylcyclohexanone	583-60-8
2-Methylcyclopentadienyl manganese tricarbonyl	12108-13-3
Methyl demeton	8022-00-2
Methylene bisphenyl Isocyanate	101-68-8
Methylene bis(4-cyclohexylisocyanate)	5124-30-1
4,4'-Methlylene dianiline	101-77-9
Methyl ethyl ketone (MEK)	7-893-3
Methyl ethyl ketone peroxide	13338-23-4
Methyl formate	10731-3
5-Methyl-3-heptanone	
Methyl hydrazine	60-34-4
Methyl iodide	74-88-4
Methyl Isobutyl carbinol	100-11-2
Methyl isobutyl ketone	108-10-1
Methyl isocyanate	624-83-9
Methyl isopropyl ketone	563-80-4
Methyl parathion	298-00-0
Methyl silicate	681-84-5
α-Methyl styrene	98-93-9
Metribuzin	21087-64-91
Mevinphos	7786-34-7
Mica	12001-26-2
Molybdenum - Soluble compounds	
Molybdenum - Insoluble compounds	
Monochlorobenzene	
Monocrotophos	6923-22-4
Morpholine	110-9-8
Naled	300-76-5
Naphthalene	300-76-3
Nickel, Metal	7440-02-0
Nickel, Insoluble compounds as Ni	7440-02-0
Nickel, Soluble compounds as Ni	7440-02-0
Nickel carbonyl	7440-02-0
Nickel sulfide roasting, fume and dust	7440-02-0
Nicotine	54-11-5
Nitrapyrin	1929-82-41
Nitric acid	7697-372-2
Nitric oxide	10102-43-911
p-Nitroaniline	100-01-6
Nitrobenzene	98-95-3
p-Nitrochlorobenzene	100-00-5
Nitroethane	79-24-31
Nitrogen dioxide	10102-44-0
Nitrogen trifluoride	7783-54-2

Nitromethane	75-52-51
Nitrotoluene	88-72-2; 99-99-
Nitrotrichloromethane	
Nitrous oxide	10024-97-21
Nonane	111-84-2
Octachloronaphthalene	2234-13-1
Oil mist, mineral	
Osmium tetroxide	20816-12-0
Oxalic acid	144-62-7
Oxygen difluoride	7783-41-7
Ozone - Heavy work	10028-15-8
Ozone - Moderate work	10028-15-8
Ozone - Light work	10028-15-8
Paraffin wax fume	8002-74-21
Paraquat - Total particulate	4686-14-7
Paraquat - Respirable fraction	4686-14-7
Particulates Not Otherwise Classified - Inhalable	
Particulates Not Otherwise Classified - Respirable	
Pentaborane	19624-22-7
Pentachloronaphthalene	1321-64-8
Pentachloronitrobenzene	82-68-8
Pentachlorphenol	67-86-5
Pentaerythritol	115-77-5
Perchloromethyl mercaptan	594-42-3
Perchloryl fluoride	7616-94-6
Perfluoroisobutylene	382-21-8
Perlite	93763-70-3
Persulfates - Ammonium	7727-54-0
Persulfates - Potassium	7727-21-1
Persulfates - Sodium	7775-27-1
Phenol	100-95-2
Phenothiazine	92-84-2
o-Phenylenediamine	95-54-5
m-Phenylenediamlne	108-45-2
p-Phenylenediamine	106-50-3
Phenyl ether, vapor	101-84-8
Phenyl glycidyl ether (PGE)	122-60-1
Phenylhydrazine	100-63-0
Phenylphosphine	638-21-1
Phorate	298-02-2
Phosdrin	
Phosgene	75-44-5
Phosphine	7803-51-2
Phosphoric acid	7664-38-2
Phosphorus (yellow)	7723-14-0
Phosphorus oxychloride	10025-87-3
Phosphorus pentachloride	10026-13-8
Phosphorus pentasulfide	1314-80-3

Phosphorus trichloride	7719-12-2
Phthalic anhydride	85-44-9
m-Phthalodinitrile	626-17-5
Picloram	1918-02-1
Picric acid	88-89-1
Pindone	83-26-1
Piperazine dihydrochloride	142-64-3
2-Pivalyl-1,3-indandione	
Plaster of Paris	
Platinum - Metal	7440-06-4
Platinum - Soluble Salts	7440-06-4
Polychlorobiphenyl (42% chlorine)	
Polychlorobiphenyl (54% chlorine)	
Portland cement	65997-15-1
Potassium hydroxide	13105-8-3
Propargyl alcohol	107-19-7
β-Propiolactone	57-5-8
Propionic acid	79-09-4
Propoxur	114-26-1
n-Propyl alcohol	71-23-8
Propylene dichloride	78-87-5
Propylene glycol dinitrate	6423-43-4
Propylene glycol monomethyl ether	107-98-21
Propylene imine	75-55-8
n-Propyl nitrate	627-13-4
Propyne	
Pyrethrum	8003-34-7
Pyridine	110-86-1
Pyrocatechol	
Quartz	
Quinone	106-51-4
RDX	
Resorcinol	108-46-3
Rhodium metal	7440-16-6
Rhodium - Insoluble compounds	
Rhodium - Soluble compounds	
Ronnel	299-84-3
Rotenone (commercial)	63-79-4
Rouge	
Selenium and compounds	7762-49-2
Selenium hexafluoride	7783-79-1
Sesone	136-76-7
Silane	
Silica (Amorphous) Diatomaceous earth (uncalcined) - Inhalable	
Silica (Amorphous) Diatomaceous earth (uncalcined) - Respirable	
Silica, fume	69012-64-2

Silica, fused	60676-86-0
Silica (Crystalline) - Cristobalite	14464-56-11
Silica (Crystalline) - Quartz	14606-60-7
Silica (Crystalline) - Tridymite	15466-32-31
Silica (Crystalline) - Tripoli	1317-95-9
Silicon	7440-21-3
Silicon tetrahydride	7603-62-5
Silver Metal	7440-22-4
Silver Soluble compounds	7440-22-4
Soapstone - Inhalable	
Soapstone - Respirable	
Sodium azide	26628-22-8
Sodium bisulfite	7631-90-5
Sodium 2,4-dichloro-phenoxyethyl sulfate	
Sodium fluoroacetate	62-74-6
Sodium hydroxide	1310-73-2
Sodium metabisulfite	76661-57-4
Starch	9005-25-8
Stearates	
Stibine	7803-52-3
Strontium chromate	
Strychnine	57-24-9
Subtilisins (Proteolytic enzymes as 100% pure crystalline enzyme)	1395-24-7; 9014-04-1
Sucrose	57-50-1
Sulfometuron methyl	74222-97-2
Sulfotep	3689-24-5
Sulfur dioxide	
Sulfur hexaflouride	2551-62-4
Sulfuric acid	7664-93-9
Sulfur monochloride	10025-67-9
Sulfur pentaflouride	5714-22-7
Sulfur tetraflouride	7783-60-0
Sulfuryl fluoride	2699-79-8
Sulprofos	35400-43-2
Synthetic vitreous fibers - Continuous filament glass	
Systox	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	93-76-5
Talc (containing no asbestos fibers)	14807-96-6
Tantalum metal and oxide dusts, as Ta	7440-25-7
TEDP	
Tellurium and compounds	13494-80-9
Tellurium hexafluoride	7783-80-4
Temephos	3383-96-8
TEPP	107-49-3
Terephthalic acid	100-21-01
Terphenyls	26140-60-3
1,1,1,2-Tetrachloro-2,2-difluoroethane	

1,1,2,2-Tetrachloro-1,2-difluoroethane	
1,1,2,2-Tetrachloroethane	76-12-5
Tetrachloroethylene	
Tetrachloromethane	
Tetrachloronaphthalene	1335-88-2
Tetraethyl lead	78-00-2
Tetrahydrofuran	109-99-9
Tetramethyl lead	75-74-1
Tetramethyl succinonitrile	3333-52-6
Tetranitromethane	509-14-8
Tetrasodium pyrophosphate	7722-88-5
Tetryl	479-45-8
Thallium, elemental and soluble compounds	
4-4' - Thiobis(6-tert-butyl-m-cresol)	96-69-5
Thioglycolic acid	68-11-1
Thionyl chloride	7719-09-7
Thiram	137-26-8
Tin metal	7440-31-5
Tin oxide & inorganic compounds, except SnH4	
Tin organic compounds	
Titanium dioxide	13463-67-7
Toluene	108-88-3
Toluene-2,4 diisocyante (TDI)	584-84-9
o-Toluidine	95-53-4
m-Toluidine	108-44-1
p-Toluidine	106-49-0
Toluol	
Toxaphene	
Tributyl phosphate	126-73-8
Trichloroacetic acid	76-03-9
1,2,4-Trichlorobenzene	120-82-1
1,1,2-Trichloroethane	79-00-5
Trichlorofluoromethane	75-69-4
Trichloromethane	
Trichloronaphthalene	1321-65-9
Trichloronitromethane	
1,2,3-Trichloropropane	96-18-4
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1
Tricyclohexyltin hydroxide	
Tridymite	
Triethanolamlne	102-11-6
Triethylamine	121-44-8
1,3,5-Triglycidyl-s-triazinetrione	2451-62-9
Trifluorobromomethane	75-63-8
Trimellitic anhydride	552-63-9
Trimethyl benzene	25551-13-7
Trimethyl phosphite	121-45-9
2,4,6-Trinirtophenol	

2,4,6-Trinitrophenylmethylnitramine	
2,4,6-Trinitrotoluene (TNT)	118-96-7
Triorthocresyl phosphate	78-30-8
Triphenyl amine	603-34-9
Triphenyl phosphate	115-86-6
Tripoli	
Tungsten - Insoluble compounds	7440-33-7
Tungsten - Soluble compounds	7440-33-7
Turpentine	8006-64-2
Uranium (natural) Soluble and Insoluble compounds	7440-61-1
n-Valeraldehyde	110-62-3
Vanadium pentoxide	1314-62-1
Vegetable oil mists	
Vinyl benzene	
Vinyl bromide	593-60-21
Vinylcyanide	
4-vinyl cyclohexene	100-40-3
Vinyl cyclohexane dioxide	106-87-6
Vinylidene chloride	75-35-41
Vinyl toluene	2013-15-4
Warfarin	81-81-2
Welding fumes	
Wood dust - Hard wood	
Wood dust - Soft wood	
Xylene (o-,m-, p-isomers)	1330-20-7
m-Xylene α,α'-diamine	1477-55-0
Xylidine (mixed isomers)	1300-73-8
Yttrium metal and compunds, as Y	7440-55-5
Zinc chloride fume	7646-85-7
Zinc chromates, as Cr	13530-65-9
Zinc oxide - Fume	1314-13-2
Zinc oxide - Dust	1314-13-2
Zirconium and compounds, as Zr	7440-67-7
0	
NOT INCLUDED IN CHEMICAL LIST	
Notice of intended changes (for 1997)	
Acrolein	107-02-8
Allyl glycidyl ether	106-92-3
Asphalt (Petroleum; Bitumen) fume, as cyclohexane-extractable inhalable particulate	8052-42-4
n-Butanol	71-36-3
n-Butyl acetate	123-86-4
Coal Dust - Bituminous	
Coal Dust - Antracite	
Copper as inorganic compounds, as Cu - Fume and respirable particulate	7440-50-8
Copper as inorganic compounds, as Cu - Inhalable particulate, dusts and mists	

Crotonaldehyde	4170-30-3
Diesel exhaust, particulate (<1µM)	
Diesel fule/Kerosone	
Diethyl ketone	96-22-0
Ethyl butyl ketone	106-35-4
Ethyl cyanoacrylate	7085-85-0
Glutaraldehyde	111-30-8
n-Hexane	110-54-3
1-Hexane	592-41-6
Mehtyl n-butyl ketone	591-78-6
Methyl 2-cyanoacrylate	137-05-3
Methyl vinyl ketone	78-94-4
Nickel - Elemental/metal	7440-02-0
Nickel - Soluble compounds	
Nickel - Insoluble compounds	
Nickyl - Nickel carbonyl	13463-39-3
Nickel subsulfide	12035-72-2
Nickel sulfide roasting, fume & dust	
Oil mist, mineral	
Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) listed as carcinogens by the U.S National toxicology Program (NTP)	
Ozone Heavy work	10028-15-6
Ozone Moderate work	10028-15-6
Ozone Light work	10028-15-6
Ozone light, moderate, or heavy workloads	10028-15-6
Pentane (all isomers)	
1,1,2,2-Tetrachloroethane	79-34-5
Vinylidene chloride	75-35-4