

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2118

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
NF-2	V-1626	PM <sub>10</sub>	0.06	0.02
NF-3	V-1627	PM <sub>10</sub>	0.06	0.02
NF-4	V-1515A and V-1515B	Formaldehyde	0.86	0.06
		Methanol	0.13	0.02
		PM <sub>10</sub>	7.51	1.10
NF-9	MS-544	Formaldehyde	0.03	0.08
		Methanol	0.02	0.06
NF-10	MS-545	Formaldehyde	0.03	0.08
		Methanol	0.02	0.06
NF-12	MS-131	Formaldehyde	0.03	0.12
		Methanol	0.02	0.08
NF-18	C-460 Pellet Dryer	Formaldehyde	0.07	0.30
		Methanol	0.41	1.80
		PM <sub>10</sub>	0.91	4.00
NF-25	V-2015	Formaldehyde	0.01	0.01
		Methanol	0.01	0.01
NF-50	V-2016A and V-2016B	Formaldehyde	0.02	0.01
		Methanol	0.66	0.46
		PM <sub>10</sub>	0.24	0.17

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
	TPY**			
NF-51	V-2017A and V-2017B	Formaldehyde	0.01	0.01
		Methanol	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
NF-53	V-2034 Stabilizer Tank	PM <sub>10</sub>	0.55	0.01
NF-54	V-2035 Stabilizer Feed Tank	PM <sub>10</sub>	0.55	0.01
NF-61	T-291/T-316 Scrubbers	Formaldehyde	0.01	0.01
		Methanol	0.01	0.01
NF-63	Silo Vent Header	Formaldehyde	1.04	1.27
		Methanol	0.33	1.25
		PM <sub>10</sub>	0.36	0.44
NF-100	C-189	PM <sub>10</sub>	0.02	0.09
NF-101	MB-30138	PM <sub>10</sub>	0.06	0.01
NF-102	MS-31644	PM <sub>10</sub>	0.06	0.03
NF-103	MS-31535	PM <sub>10</sub>	3.44	0.11
NF-104	MS-31531	PM <sub>10</sub>	1.05	0.04
NF-105	MS-31533	PM <sub>10</sub>	0.08	0.02
NF-106	MX-323	PM <sub>10</sub>	9.13	0.28
NF-107	MS-31532	PM <sub>10</sub>	0.11	0.08

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
	TPY**			
NF-108	MX-643	Formaldehyde	0.01	0.01
		Methanol	0.66	0.90
		PM <sub>10</sub>	0.24	0.32
NF-109	MX-745	Formaldehyde	0.01	0.01
		Methanol	0.66	0.90
		PM <sub>10</sub>	0.24	0.32
NF-110	V-1045	Formaldehyde	0.01	0.01
		Methanol	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
NF-111	V-1051A	Formaldehyde	0.01	0.01
		Methanol	0.27	0.32
		PM <sub>10</sub>	0.10	0.11
NF-112	V-1051B	Formaldehyde	0.01	0.01
		Methanol	0.27	0.32
		PM <sub>10</sub>	0.10	0.11
NF-113	V-1052A	Formaldehyde	0.01	0.01
		Methanol	0.27	0.32
		PM <sub>10</sub>	0.10	0.11
NF-114	V-1051B	Formaldehyde	0.01	0.01
		Methanol	0.27	0.32
		PM <sub>10</sub>	0.10	0.11
NF-115	V-1062 Vent A	Formaldehyde	0.01	0.01
		Methanol	0.27	0.11
		PM <sub>10</sub>	0.10	0.04

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
	TPY**			
NF-116	V-1062 Vent B	Formaldehyde	0.01	0.01
		Methanol	0.27	0.11
		PM <sub>10</sub>	0.10	0.04
NF-117	V-1165A	Formaldehyde	0.01	0.01
		Methanol	0.27	0.01
		PM <sub>10</sub>	0.10	0.01
NF-118	V-1165B	Formaldehyde	0.01	0.01
		Methanol	0.27	0.01
		PM <sub>10</sub>	0.10	0.01
NF-119	V-1165C	Formaldehyde	0.01	0.01
		Methanol	0.27	0.01
		PM <sub>10</sub>	0.10	0.01
NF-120	V-1166A (Vent A1)	Formaldehyde	0.01	0.01
		Methanol	0.10	0.10
		PM <sub>10</sub>	0.04	0.04
NF-121	V-1166A (Vent A2)	Formaldehyde	0.01	0.01
		Methanol	0.10	0.10
		PM <sub>10</sub>	0.04	0.04
NF-122	V-1166B (Vent B1)	Formaldehyde	0.01	0.01
		Methanol	0.10	0.10
		PM <sub>10</sub>	0.04	0.04
NF-123	V-1166B (Vent B2)	Formaldehyde	0.01	0.01
		Methanol	0.10	0.10
		PM <sub>10</sub>	0.04	0.04

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
	TPY**			
NF-124	V-1166C (Vent C1)	Formaldehyde	0.01	0.01
		Methanol	0.10	0.10
		PM <sub>10</sub>	0.04	0.04
NF-125	V-1166C (Vent C2)	Formaldehyde	0.01	0.01
		Methanol	0.10	0.10
		PM <sub>10</sub>	0.04	0.04
NF-126	V-1167	Formaldehyde	0.01	0.01
		Methanol	0.01	0.01
		PM <sub>10</sub>	0.05	0.01
NF-127	V-1289A	Formaldehyde	0.01	0.01
		Methanol	0.07	0.01
		PM <sub>10</sub>	0.02	0.01
NF-128	V-1289B	Formaldehyde	0.01	0.01
		Methanol	0.07	0.01
		PM <sub>10</sub>	0.02	0.01
NF-129	V-1289C	Formaldehyde	0.01	0.01
		Methanol	0.07	0.01
		PM <sub>10</sub>	0.02	0.01
NF-130	V-1289D	Formaldehyde	0.01	0.01
		Methanol	0.07	0.01
		PM <sub>10</sub>	0.02	0.01
NF-131	V-1289E	Formaldehyde	0.01	0.01
		Methanol	0.07	0.01
		PM <sub>10</sub>	0.02	0.01

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
	TPY**		

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
	TPY**			
NF-132	V-1289F	Formaldehyde	0.01	0.01
		Methanol	0.07	0.01
		PM <sub>10</sub>	0.02	0.01
NF-134	V-1517A	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07
NF-135	V-1517B	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07
NF-136	V-1517C	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07
NF-137	V-1519	Formaldehyde	0.01	0.01
		Methanol	0.07	0.01
		PM <sub>10</sub>	0.02	0.01
NF-138	V-1522A	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07
NF-139	V-1522B	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07
NF-140	V-1522C	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
	TPY**			
NF-141	V-1621A	Formaldehyde	0.01	0.01
		Methanol	0.20	0.01
		PM <sub>10</sub>	0.07	0.01
NF-142	V-1621B	Formaldehyde	0.01	0.01
		Methanol	0.20	0.01
		PM <sub>10</sub>	0.07	0.01
NF-143	V-1621C	Formaldehyde	0.01	0.01
		Methanol	0.20	0.01
		PM <sub>10</sub>	0.07	0.01
NF-144	V-1621D	Formaldehyde	0.01	0.01
		Methanol	0.20	0.01
		PM <sub>10</sub>	0.07	0.01
NF-145	V-1622A	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07
NF-146	V-1622B	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07
NF-147	V-1622C	Formaldehyde	0.01	0.01
		Methanol	0.20	0.21
		PM <sub>10</sub>	0.07	0.07
NF-148	V-1623A	Formaldehyde	0.01	0.01
		Methanol	0.27	0.01
		PM <sub>10</sub>	0.10	0.01



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	TPY**			
NF-149	V-1623B	Formaldehyde	0.01	0.01
		Methanol	0.27	0.01
		PM <sub>10</sub>	0.10	0.01
NF-150	V-1623C	Formaldehyde	0.01	0.01
		Methanol	0.27	0.01
		PM <sub>10</sub>	0.10	0.01
NF-151	V-1850 (Vent No. 1)	Formaldehyde	0.01	0.01
		Methanol	0.01	0.01
NF-152	V-1850 (Vent No. 2)	Formaldehyde	0.01	0.01
		Methanol	0.01	0.01
NF-155	PK-30142	Formaldehyde	0.01	0.01
		Methanol	0.08	0.01
		PM <sub>10</sub>	0.03	0.01
NF-156	MS-30810	Formaldehyde	0.06	0.27
		Methanol	0.02	0.09
NF-157	KK Die Oil Circulation	VOC	0.11	0.01
NF-1	Process Fugitives (4)	VOC	2.00	8.00

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources use area name or fugitive source name.

(3) PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

- \*\* Compliance with annual emission limits is based on a rolling 12-month period.