## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## Permit Number 73614

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

Point No. (1)         Name (2)         Name (3)         lb/hr         TPY**           E-2****         Waukesha 7042G         NO₂         4.07         18           924-hp Compressor No. 3119         CO         6.11         27           VOC         2.04         8.9           PM₁₀         0.14         0.60           SO₂         0.004         0.02           Formaldehyde         0.10         0.45           E-3***         Waukesha 7042G         NO₂         4.07         18           924-hp Compressor No. 3120         CO         6.11         27           VOC         2.04         8.9           PM₁₀         0.14         0.60           SO₂         0.004         0.02           Formaldehyde         0.10         0.45           E-4         Waukesha 5790         NO₂         38.9         128           800-hp Compressor No. 3117         CO         90.7         331           VOC         0.62         2.45           PM₁₀         0.12         0.52           SO₂         0.004         0.02           Formaldehyde         0.09         0.39           E-5         Waukesha 5790	Emission	Source	Air Contaminant	<b>Emission</b>	Rates *
Page	Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
Page					_
$ \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	E-2***	Waukesha 7042G	$NO_x$	4.07	18
E-3*** Waukesha 7042G NOx 4.07 18 924-hp Compressor No. 3120 CO 6.11 27 PM10 0.14 0.60 924-hp Compressor No. 3120 CO 6.11 27 PM10 0.14 0.60 PM10 0.14 0.60 SO2 0.004 0.02 Formaldehyde 0.10 0.45  E-4 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM10 0.12 0.52 SO2 0.004 0.02 Formaldehyde 0.10 0.39  E-5 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM10 0.12 0.52 SO2 0.004 0.02 Formaldehyde 0.09 0.39  E-5 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM10 0.12 0.52 SO2 0.004 0.02 Formaldehyde 0.09 0.39  E-6 White Superior 6G510 NOx 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 PM10 0.13 0.59 SO2 0.001 0.01		924-hp Compressor No. 3119		6.11	27
E-3*** Waukesha 7042G NOx 4.07 18 924-hp Compressor No. 3120 CO 6.11 27 VOC 2.04 8.9 PM <sub>10</sub> 0.14 0.60 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.10 0.45  E-4 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-5 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-6 White Superior 6G510 NOx 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 PM <sub>10</sub> 0.13 0.59 SO <sub>2</sub> 0.001 0.01				2.04	8.9
E-3***  Waukesha 7042G NOx 4.07 18 924-hp Compressor No. 3120 CO 6.11 27 VOC 2.04 8.9 PM <sub>10</sub> 0.14 0.60 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.10 0.45  E-4  Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-5  Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-5  Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-6  White Superior 6G510 NOx 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 PM <sub>10</sub> 0.13 0.59 SO <sub>2</sub> 0.001 0.01			PM <sub>10</sub> 0.14	0.60	
E-3***  Waukesha 7042G NOx 4.07 18 924-hp Compressor No. 3120 CO 6.11 27 VOC 2.04 8.9 PM <sub>10</sub> 0.14 0.60 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.10 0.45  E-4  Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-5  Waukesha 5790 NOx 38.9 128 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-5  Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-6  White Superior 6G510 NOx 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 0.36 PM <sub>10</sub> 0.13 0.59 SO <sub>2</sub> 0.001 0.01			$SO_2$	0.004	0.02
$ \begin{tabular}{l lllllllllllllllllllllllllllllllllll$			Formaldehyde	0.10	0.45
E-5 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 6.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.10 0.318 CO 90.7 331 VOC 6.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39 PM <sub>10</sub> 0.13 0.59 SO <sub>2</sub> 0.001 0.01	E-3***	Waukesha 7042G	$NO_x$	4.07	18
$ \begin{tabular}{l lllllllllllllllllllllllllllllllllll$			20 CO	6.11	27
E-4 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-5 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-5 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-6 White Superior 6G510 NOx 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 PM <sub>10</sub> 0.13 0.59 SO <sub>2</sub> 0.001 0.01			VOC	2.04	8.9
E-4 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM10 0.12 0.52 SO2 0.004 0.02 Formaldehyde 0.09 0.39  E-5 Waukesha 5790 NOx 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM10 0.12 0.52 SO2 0.004 0.02 PM10 0.12 0.52 SO2 0.004 0.02 PM10 0.12 0.52 SO2 0.004 0.02 Formaldehyde 0.09 0.39  E-6 White Superior 6G510 NOx 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 0.36 PM10 0.13 0.59 SO2 0.001 0.01			PM <sub>10</sub> 0.14	0.60	
E-4 Waukesha 5790 NO <sub>x</sub> 38.9 128 800-hp Compressor No. 3117 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-5 Waukesha 5790 NO <sub>x</sub> 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM <sub>10</sub> 0.12 0.52 SO <sub>2</sub> 0.004 0.02 Formaldehyde 0.09 0.39  E-6 White Superior 6G510 NO <sub>x</sub> 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 PM <sub>10</sub> 0.13 0.59 SO <sub>2</sub> 0.001 0.01			$SO_2$	0.004	0.02
$ \begin{tabular}{lllllllllllllllllllllllllllllllllll$			Formaldehyde	0.10	0.45
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	E-4	Waukesha 5790	$NO_x$	38.9	128
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		800-hp Compressor No. 311	.7 CO	90.7	331
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			VOC	0.62	2.45
			PM <sub>10</sub> 0.12	0.52	
E-5 Waukesha 5790 NO $_{\times}$ 38.9 128 800-hp Compressor No. 3118 CO 90.7 331 VOC 0.62 2.45 PM $_{10}$ 0.12 0.52 SO $_{2}$ 0.004 0.02 Formaldehyde 0.09 0.39 E-6 White Superior 6G510 NO $_{\times}$ 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 PM $_{10}$ 0.13 0.59 SO $_{2}$ 0.001 0.01				0.004	0.02
$ \begin{tabular}{lllllllllllllllllllllllllllllllllll$			Formaldehyde	0.09	0.39
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	E-5	Waukesha 5790	$NO_x$	38.9	128
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		800-hp Compressor No. 311	.8 CO	90.7	331
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			VOC	0.62	2.45
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
E-6 White Superior 6G510 NO $_{\times}$ 12.0 52.4 360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 0.36 PM $_{10}$ 0.13 0.59 SO $_{2}$ 0.001 0.01					
360-hp Compressor No. 3123 CO 38.0 167 VOC 0.08 0.36 $PM_{10} \ 0.13 0.59 \\ SO_2 \ 0.001 0.01$			Formaldehyde	0.09	0.39
$\begin{array}{cccc} VOC & 0.08 & & 0.36 \\ PM_{10} & 0.13 & & 0.59 \\ SO_2 & 0.001 & & 0.01 \\ \end{array}$	E-6	•			
$PM_{10}  0.13 \qquad \qquad 0.59 \\ SO_2  0.001 \qquad \qquad 0.01$		•			167
SO <sub>2</sub> 0.001 0.01					
Formaldehyde 0.15 0.64					
			Formaldehyde	0.15	0.64

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emissior</u>	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY **</u>	
E-7	White Superior 6G825	NO <sub>x</sub>	13.4	58.7	
	495-hp Compressor No. 31	22 CO	33.9	149	
		VOC	0.11	0.49	
	Р	M <sub>10</sub> 0.18	0.81		
		$SO_2$	0.001	0.01	
	F	ormaldehyde	0.21	0.92	

- (1) Emission point identification either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

 $NO_x$  - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

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.

CO - carbon monoxide

- \* Emission rates are based on a maximum operating schedule of <u>8,760</u> hours per year. Data used to demonstrate compliance with the emission rates (ERs) shall be reported in agreement with the number of significant digits listed in the maximum allowable emission rates table and standard rounding rules shall be applied.
- \*\* Compliance with annual emission limits is based on a rolling 12-month period.
- \*\*\* The engine ERs become effective 90 days after retrofit completion required by Special Condition No. 3, but no later than March 1, 2008.

Dated <u>August 30, 2005</u>