

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3226

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		Air Contaminant		Emission Rates *	
	Name (2)	Name (3)	lb/hr	TPY		
E-1 A	Brine Well Heater 0.3 MMBtu/hr		NOx		0.03	0.07
			CO		<0.01	0.01
			SO2		<0.01	<0.01
			VOC		<0.01	<0.01
			PM		<0.01	0.01
E-1 B	Brine Well Heater 0.3 MMBtu/hr		NOx		0.03	0.07
			CO		<0.01	0.01
			SO2		<0.01	<0.01
			VOC		<0.01	<0.01
			PM		<0.01	0.01
E-1 C	Brine Well Heater 0.3 MMBtu/hr		NOx		0.03	0.07
			CO		<0.01	0.01
			SO2		<0.01	<0.01
			VOC		<0.01	<0.01
			PM		<0.01	0.01
E-1 D	Brine Well Heater 0.3 MMBtu/hr		NOx		0.03	0.07
			CO		<0.01	0.01
			SO2		<0.01	<0.01
			VOC		<0.01	<0.01
			PM		<0.01	0.01
E-1 F	Brine Tank Heater 3 MMBtu/hr		NOx		0.30	0.66
			CO		0.06	0.14
			SO2		<0.01	<0.01
			VOC		0.01	0.02
			PM		0.04	0.08
E-1 G	Brine Well Heater 0.3 MMBtu/hr		NOx		0.03	0.07
			CO		<0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
			SO2	<0.01
			VOC	<0.01
			PM	0.01
E-1 H	Brine Well Heater 0.3 MMBtu/hr		NOx	0.03
			CO	<0.01
			SO2	<0.01
			VOC	<0.01
			PM	0.01
E-1 I	Brine Well Heater 0.3 MMBtu/hr		NOx	0.03
			CO	<0.01
			SO2	<0.01
			VOC	<0.01
			PM	0.01
E-1 J	Brine Well Heater 0.3 MMBtu/hr		NOx	0.03
			CO	<0.01
			SO2	<0.01
			VOC	<0.01
			PM	0.01
E-1 K	Brine Well Heater 0.3 MMBtu/hr		NOx	0.03
			CO	<0.01
			SO2	<0.01
			VOC	<0.01
			PM	0.01
E-1 L	Brine Well Heater 0.3 MMBtu/hr		NOx	0.03
			CO	<0.01
			SO2	<0.01
			VOC	<0.01
			PM	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-1 M	Brine Well Heater 0.3 MMBtu/hr	NOx	0.03	0.07
		CO	<0.01	0.01
		SO2	<0.01	<0.01
		VOC	<0.01	<0.01
		PM	<0.01	0.01
E-4	Product Dryer Baghouse	NOx	1.61	4.07
		CO	0.40	0.86
		SO2	0.01	0.02
		VOC	0.03	0.16
		PM10 (5)	0.53	2.17
E-5	Fire Tube Boiler	NOx	4.69	20.53
		CO	1.17	5.13
		SO2	0.48	2.09
		VOC	0.09	0.41
		PM	0.46	2.01
E-6 A	Truck Loading Baghouse	PM10 (Na2SO4)	0.21	0.08
E-6 B	Truck Loading Fugitives (4)	PM (Na2SO4)	1.5	1.37
		PM10 (Na2SO4)	1.5	1.37
E-7 A	Storage Tank No. 3 Standby Baghouse	PM10 (Na2SO4)	0.10	0.45
E-7 B	Storage Tank No. 4 Standby Baghouse	PM10 (Na2SO4)	0.10	0.45
E-8	Emergency Lighting Generator	NOx	1.41	0.08
		CO	0.31	0.02
		SO2	0.09	0.01
		VOC	0.11	0.01
		PM	0.10	0.01
E-9	Emergency Field	NOx	5.16	0.31

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			lb/hr	TPY	
	Generator			CO	1.12
				SO2	0.34
				VOC	0.41
				PM	0.37
E-10	Magnetic Particle Separator Baghouse			PM10 (Na2SO4)	0.05
					0.23
E-11	Truck Overload Baghouse			PM10 (Na2SO4)	0.08
					<0.01
E-12 A	Bin Vent Tank No. 1			PM10 (Na2SO4)	<0.01
					<0.01
E-12 B	Bin Vent Tank No. 2			PM10 (Na2SO4)	<0.01
					<0.01
E-12 C	Bin Vent Tank No. 3			PM10 (Na2SO4)	<0.01
					<0.01
E-12 D	Bin Vent Tank No. 4			PM10 (Na2SO4)	<0.01
					<0.01
E-12 E	Bin Vent Tank No. 5			PM10 (Na2SO4)	<0.01
					<0.01
E-12 F	Bin Vent Tank No. 6			PM10 (Na2SO4)	<0.01
					<0.01
E-12 G	Bin Vent Tank No. 7			PM10 (Na2SO4)	<0.01
					<0.01

- (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) PM - particulate matter including PM10
 PM10 - particulate matter less than 10 microns
 VOC - volatile organic compounds as defined in General Rule 101.1
 NOx - total oxides of nitrogen
 SO2 - sulfur dioxide
 CO - carbon monoxide

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			lb/hr	TPY

Na2SO4 - sodium sulfate

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) This emission rate represents the combination of PM10 resulting from the drying of Na2SO4 and the combustion of fuel.

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

Emission Point Numbers E-8 and E-9:

Hrs/day___Days/week___Weeks/year___or Hrs/year 120

Emission Point Numbers E-1 (A, B, C, D, F, G, H, I, J, K, L, and M):

Hrs/day___Days/week___Weeks/year___or Hrs/year 4,380

Emission Point Numbers E-4, E-5, E-6 (A and B), E-7 (A and B), E-10, E-11, E-12 (A, B, C, D, E, F, and G), and Fugitives:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated _____